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Approved for use through 07/31/2008. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

PTO/SB/05 (08-03)

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 08211/0200388-US0/P05834
First Inventor Vadim Tsinker
Title APPARATUS AND METHOD FOR NOISE
REDUCTION FOR A SUCCESSIVE
APPROXIMATION ANALOG-TO-DIGITAL
Express Mail Label No. EV398894051US

16834 U.S. PTO
10/755013

010804

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 23]

(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the invention
- Brief Summary of the invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 15]

5. Oath or Declaration [Total Sheets]

- a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)

- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement [Power of Attorney]
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 [Copies of IDS Citations]
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Certificate of Express Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner

Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number: 38845 OR ☐ Correspondence address below

Name NATIONAL SEMICONDUCTOR
John W. Branch
Address 2900 Semiconductor Drive
City Santa Clara State CA Zip Code 95051-8090
Country US Telephone (206) 262-8900 Fax (206) 262-8901

Name (Print/Type) Matthew M. Gaffney Registration No. (Attorney/Agent) 46,717
Signature [Signature] Date January 8, 2004

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL

for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$)	810.00
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C mplete if Known

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Vadim Tsinker
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	08211/0200388-USO/P05834

10755013

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

	Deposit Account:
--	-------------------------

**Deposit
Account
Number**

04-0100

**Deposit
Account
Name**

Darby & Darby P.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

	Large Entity	Small Entity
1. Revenue Recognition	Revenue is recognized when it is realized or realizable and earned. This is generally when all the following conditions are met: (a) the earnings process is complete or nearly complete; (b) the amount of revenue can be determined with reasonable accuracy; (c) the collection of the receivable is reasonably assured; and (d) the revenue is earned by the reporting period.	Revenue is recognized when it is realized or realizable and earned. This is generally when all the following conditions are met: (a) the earnings process is complete or nearly complete; (b) the amount of revenue can be determined with reasonable accuracy; (c) the collection of the receivable is reasonably assured; and (d) the revenue is earned by the reporting period.
2. Expense Recognition	Expenses are recognized when the related revenue is recognized, regardless of when the cash is paid. This is generally when all the following conditions are met: (a) the expense is incurred; (b) the amount of the expense can be determined with reasonable accuracy; and (c) the expense is incurred by the reporting period.	Expenses are recognized when the related revenue is recognized, regardless of when the cash is paid. This is generally when all the following conditions are met: (a) the expense is incurred; (b) the amount of the expense can be determined with reasonable accuracy; and (c) the expense is incurred by the reporting period.
3. Asset Recognition	Assets are recognized when they are probable that the future economic benefits will flow to the entity and the cost or value can be determined with reasonable accuracy. This is generally when all the following conditions are met: (a) the asset is acquired; (b) the amount of the asset can be determined with reasonable accuracy; and (c) the asset is acquired by the reporting period.	Assets are recognized when they are probable that the future economic benefits will flow to the entity and the cost or value can be determined with reasonable accuracy. This is generally when all the following conditions are met: (a) the asset is acquired; (b) the amount of the asset can be determined with reasonable accuracy; and (c) the asset is acquired by the reporting period.
4. Liability Recognition	Liabilities are recognized when they are probable that the future economic benefits will flow to the entity and the cost or value can be determined with reasonable accuracy. This is generally when all the following conditions are met: (a) the liability is incurred; (b) the amount of the liability can be determined with reasonable accuracy; and (c) the liability is incurred by the reporting period.	Liabilities are recognized when they are probable that the future economic benefits will flow to the entity and the cost or value can be determined with reasonable accuracy. This is generally when all the following conditions are met: (a) the liability is incurred; (b) the amount of the liability can be determined with reasonable accuracy; and (c) the liability is incurred by the reporting period.

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	770.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)	(\$)	770.00
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims 20	-20-- =	x	0.00
Independent Claims 3	-3-- =	x	0.00
Multiple Dependent			

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)	(\$)	0.00
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*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES


Large Entry		Small Entry		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	185	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or release)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1808	180	1808	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
309	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(e))	
110	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))	
101	770	2801	385	Request for Continued Examination (RCE)	
102	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (\$)	(\$)	40.00
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SUBMITTED BY

Name (Print/Type)	Matthew M. Gaffney	Registration No. (Attorney/Agent)	46,717	(Complete if applicable)	
Signature				Telephone	(206) 262-8900
				Date	January 8, 2004

Express Mail Label No. EV398894051US Dated: January 8, 2004

10755013

Application No. (if known):

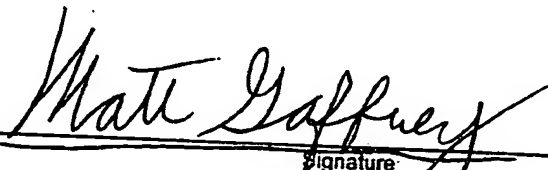
Attorney Docket No.: 08211/0200388-US0/P05834

Certificate of Express Mailing Under 37 CFR 1.10

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Alexandria, VA 22313-1450

on January 8, 2004
Date



Signature

Matthew M. Gaffney

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Utility Patent Application Transmittal (1 page)
Certificate of Express Mailing (1 page)
Nonpublication Request (2 pages)
Assignment papers (3 pages)
Fee Transmittal (1 page)
Check in the amount of \$810.00
Application Data Sheet (2 pages)
Specification (23 pages)
Oath or declaration (3 pages)
16 drawings (15 sheets; 1-10, 11A, 11B and 12-15)

{S:\8211\0200388-US0\80002874.DOC [REDACTED]}